



Chemistry Analyzer

DR-7000 D

Semi-automatic Chemistry Analyzer

Features:

Optic system adopts new type of interface filters which is featured by heat-resistant, moist-resistant, longevity of service, little center wavelength excursion, high optical signal-noise ratio etc. The main control system adopts industrial ARM and new type of high precision $\Sigma-\Delta$ A/D transfer, with high measurement precision and reliable. English operation interface, real-time reaction curve display and enlarge. Barcode reader connection is available and the flip open shell is more convenient for maintenance.

Wavelength:

340nm, 405nm, 450nm, 492nm, 505nm, 546nm, 578nm, 630nm

Testing range:

200 testing programs, open reagent system.

Temperature control:

25°C, 30°C, 37°C, $\pm 0.1^\circ\text{C}$, temperature balance time less than 10s.

Methodology:

Kinetic, 2-point kinetic, End point, multi-standard, absorbance, measure and calibration for QC and QC graphic.

Display:

Large LCD display, English interface, legible display effect in a poor light available.

Output:

Built-in thermal printer, ready-to-use print out, QC result, data, test result and integrated report print out. External printer connection is available.



Interface:

RS-232 serial port and on-line CD.

Memory:

Flash memorizer could save 200 testing programs, 3000 testing results. Function to save test results by accidental power-off and test results research, display and printing.



Operating environment:

Power supply: 220VAC $\pm 10\%$, 50 ± 1 Hz
 Temperature: 15°C ~ 30°C
 Relative Humidity: $\leq 85\%$ RH
 Dimension: 462mm X 418mm X 232mm
 Weight: 6.5KG



Specification:

Wavelength range: 8 wavelengths optional
 Wavelength Accuracy: ± 2 nm
 Spectrum bandwidth: 6~12nm
 Absorbancy: -0.3~3.0 ABS
 Resolution: Display with 1m ABS, internal with 0.1m ABS
 Linearity: less than 2% within 2ABS
 Stability: 20 minutes for warm-up and then ≤ 2 mABS/hour
 Measure repeatability: ≤ 2 mABS

Measurement time: 0~999s programmable
 Delay time: 0~999s programmable
 Memory: 200 testing programs, 3000 testing results
 Sampling: 500~9999 μ l programmable
 Microflowcell volume: 32 μ l
 Cross-contamination: $\leq 1\%$
 Absorbancy repeatability: CV $\leq 1\%$
 Display: 240x128 dot-matrix LCD
 Power consumption: 85W

DIRUI INDUSTRIAL CO., LTD.

Address: 95 Yunhe Street, New & High Tech. Development Zone, Changchun, 130012, P. R. China

Tel: +86 431 85100409 Fax: +86 431 85173354

E-mail: dirui@dirui.com.cn Http://www.dirui.com.cn

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